

IN THE CLAIMS:

1. (currently amended) A method for locating position for a mobile ~~commutation~~ communication device, comprising: inputting a set of at least two geo-indicators (Gi-1, Gi-2, . . . , Gi-n) other than street address or latitude and longitude based on text by a user with the mobile ~~commutation~~ communication device;
transmitting the geo-indicators to a back end server;
generating a set of candidate features ~~set~~ for each geo-indicator by applying geocoding which maps the ~~text address~~ set of geo-indicators to a geo-location based on a back end spatial database;
deciding the final geo-location information by geocustering the geographic coordinates of the at least two members of the candidate feature set; and transmitting the geo-location information to the mobile communication device.

2. (original) A method for locating position for a mobile communication device according to claim 1, wherein the geo-indicators (Gi-1, Gi-2, . . . , Gi-n) are based on text inputted by the user with the mobile ~~commutation~~ device, Gi-j is an item selected from a group of items including: a street name, a building name, a postal code, a telephone number, and any combination of these.

3. (currently amended) A method for locating position for a mobile communication device according to claim 1, wherein the geo-indicators (G_{i-1} , G_{i-2} , . . . , G_{i-n}) are based on text inputted by the users with the mobile communication device, at least some of said geoindicators G_{i-j} is are selected from a group including an abbreviation of a street name and/or a building name, a local code of a postal code, a telephone number, and any combination of these and said set of geoindicators includes at least one subset of at least two geoindicators obtained by expanding an one of said abbreviations.

4. (original) A method for locating position for a mobile communication device according to claim 1, wherein said candidate feature set is a set of points determined from an item in a group of items including: a building name, a set of lines determined by a road name, a polygon determined by a postal code, a telephone number, and any combination of these.

5. (original) A method for locating position for a mobile communication device according to claim 1, wherein said candidate feature set is labeled with a confidence level.

6. (original) A method for locating position for a mobile communication device according to claim 5, wherein the geometry relationship and confidence level is taken into account when geocustering said candidate feature set.

7. (original) A method for locating position for a mobile communication device according to claim 1, further comprising a step of feeding back a choice made by the user and/or adding an additional geo-indicator inputted by the user, in order to locate said position precisely.

8. (currently amended) A system for locating position for a mobile communication device, comprising: a mobile communication device, for inputting a set of at least two geo-indicators (Gi-1, Gi-2, . . . , Gi-n) other than street address or latitude or longitude based on text; geo-location generating means, for generating a set of candidate features set for each geo-indicator by applying geocoding which maps the ~~text address~~ set of geo-indicators to an geo-location based on a back end spatial database; and clustering means, for deciding the final geo-location information by geocustering the geographic coordinates of at least two members of the candidate feature set.

9. (original) A system for locating position for a mobile communication device according to claim 8, wherein said mobile communication device is a WAP phone or a PDA.

10. (original) A system for locating position for a mobile communication device according to claim 8, wherein the geo-indicators (Gi-1, Gi-2, . . . , Gi-n) based on text inputted by the user with the mobile communication device, Gi-j is selected from the

group of items including: a street name, a building name, a postal code, a telephone number, and any combination of these.

11. (currently amended) A system for locating position for a mobile communication device according to claim 10, wherein the geo-indicators (Gi-1, Gi-2, . . . , Gi-n) based on text inputted by the user with the mobile communication device, at least some of said geoindicators Gi-j could be are selected from a group including an abbreviation of a street name and a building name, or the local code of a postal code and a telephone number and said set of geoindicators includes at least one subset of at least two geoindicators obtained by expanding one of said abbreviations.

12. (original) A system for locating position for a mobile communication device according to claim 8, wherein said candidate feature set could be a set of points determined by a building name, a set of lines determined by a road name, or a polygon determined by a postal code or a telephone number.

13. (original) A system for locating position for a mobile communication device according to claim 8, wherein said candidate feature set is labeled with a confidence level.

14. (original) A system for locating position for a mobile communication device according to claim 13, wherein the geometry relationship and confidence level is taken into account when geoclustering said candidate feature set.

15. (original) A system for locating position for a mobile communication device according to claim 8, further comprising result feedback means wherein a choice is made by the user or an additional geo-indicator is inputted by the user in order to locate the position precisely.

16. (original) An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for locating a position for a mobile communication device, the computer readable program code means in said article of manufacture comprising computer readable program code means for causing a computer to effect the steps of claim 1.

17. (original) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for locating a position for a mobile communication device, said method steps comprising the steps of claim 1.

18. (original) A computer program product comprising a computer usable medium having computer readable program code means embodied therein for causing a system

for locating position for a mobile commutation device, the computer readable program code means in said computer program product comprising computer readable program code means for causing a computer to effect the functions of claim 8.

19. (new) A method according to claim 3, in which said abbreviations are selected by said user and are not limited to a set selected by a mobile communication system.

20. (new) A system according to claim 11, in which said abbreviations are selected by said user and are not limited to a set selected by a mobile communication system.

REMARKS

The rejection of claims 1-2, 4-10, 12 - 18 under 35 USC 102 over Craport and the rejection of claims 3 and 11 under 35 USC 103 over Craport and Hancock are respectfully traversed.

The objections to the drawings have been corrected by amending the specification.